Box	ι No. I	Basis of this opinion
1.		regard to the language, this opinion has been established on the basis of the international application in the language in which it was unless otherwise indicated under this item.
		This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under
ĺ	_	Rule 12.3 and 23.1(b)).
2.		regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed tion, this opinion has been established on the basis of:
	a.	type of material
		a sequence listing
		table(s) related to the sequence listing
	b.	format of material
	υ. 	
	1	in written format
	ļ	in computer readable form
	c.	time of filing/furnishing
		contained in the international application as filed.
		filed together with the international application in computer readable form.
	-	furnished subsequently to this Authority for the purposes of search.
3.		In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	Addit	ional comments:
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PATENT COOPERATION TREATY

TRANSLATION From the INTERNATIONAL SEARCHING AUTHORITY To: WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing (day/month/year) Applicant's or agent's file reference FOR FURTHER ACTION FP18733WO-00 See paragraph 2 below International application No. International filing date (day/month/year) Priority date (day/month/year) PCT/JP2004/011292 30.07.2004 14.01.2004 International Patent Classification (IPC) or both national classification and IPC Applicant DAIKIN INDUSTRIES, LTD. This opinion contains indications relating to the following items: Box No. I Basis of the opinion Box No. II Priority Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. IV Lack of unity of invention Reasoned statement under Rule 43bis, 1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application 2. **FURTHER ACTION** If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. For further details, see notes to Form PCT/ISA/220. Name and mailing address of the ISA/JP Authorized officer

Telephone No.

Facsimile No.

Box			ale 43bis.1(a)(i) with regard to novelty, inverporting such statement	ntive step or industrial applicability;	
1.	Statement		E. o B parts parternalls		
-	Novelty (N)	Claims	2-14		YES
		Claims	1		(O
	Inventive step (IS)	Claims	1 14		YES
		Claims	1-14		VO
	Industrial applicability (IA)	Claims	1-14		YES
		Claims			NO.
2.	Citations and explanations:				_
	document 1 cited in th Document 1 de provided with a plural thermoelectric cooling circulation device, a te effect (see figure 2) an out temperature contro thermoelectric cooling	e ISR. escribes ity of we device emperate d that b il in the device	ad in claim 1 does not appear to a temperature control device prells for cultivating microorganithat controls the temperature in the sensor, and a copper plate by using this temperature controls wells quickly and with high precorresponds to "heater" in the set to "cooling part," and copper	rovided with cells, a microplasms or the like, a aside the wells, a coolant aving a thermal conducting I device it is possible to carry ecision. Here, the present application, coolant	
	conducting body."	озронас	to cooming part, and coppor	prace corresponds to thermal	ı
	(Continued)				
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	·				

International application No.
PCT/JP2004/011292

Supplemental Box

In case the space in any of the preceding boxes is not sufficient. Continuation of: $Box\ V$

- Regarding claims 1-14

The inventions of claims 1-8 do not appear to possess inventive step over document 1 cited in the ISR.

In regard to the inventions of claims 1-8, optimizing the shape of the thermoelectric cooling device and copper plate in response to factors such as the shape of the wells in the temperature control device of document 1 would be easily arrived at by a person skilled in the art.

The inventions of claims 9-14 do not appear to possess inventive step over documents 1-2 cited in the ISR.

Document 2 describes a cultivation control device for organisms and cells provided with means for measuring temperature, pH and the like, storage means for storing obtained measurement data, and control means for controlling the cultivation environment based on this data in order cultivate cells and microorganisms in a suitable cultivation environment.

In regard to the inventions of claims 9-14, using a combination of the cultivation control device for organisms and cells provided with means for measuring temperature, pH and the like, storage means for storing obtained measurement data, and control means for controlling the cultivation environment based on this data in order cultivate cells and microorganisms in a suitable cultivation environment with the temperature control device described in document 1 would be easily arrived at by a person skilled in the art.

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHOR	ITY	"NS,		
To:			PCT	
			RITTEN OPINION OF THE TIONAL SEARCHING AUTHORITY	
			(PCT Rule 43bis.1)	
·		Date of mailing (day/month/year)		
Applicant's or agent's file reference FP18733WO-00		FOR FURTHER ACTION See paragraph 2 below		
International application No. PCT/JP2004/011292	International filing date ((day/month/year)	Priority date (day/month/year) 14.01.2004	
International Patent Classification (IPC) or both	national classification an	d IPC	· .	
Applicant DAIKIN INDUSTRIES, LT	ID.			
Box No. IV Lack of unit Box No. V Reasoned st applicability Box No. VI Certain doct Box No. VII Certain obse Box No. VIII Certain obse 2. FURTHER ACTION If a demand for international prelin International Preliminary Examining than this one to be the IPEA and the this International Searching Authority If this opinion is, as provided above, written reply together, where approp PCT/ISA/220 or before the expiration For further options, see Form PCT/IS.	shment of opinion with regy of invention atement under Rule 43bis in the citations and explanation at the citations and explanation at the citations on the internation at the citations on the internation at the citation of the citation at	gard to novelty, invent I(a)(i) with regard to ns supporting such star plication nal application ade, this opinion wi that this does not ap i the International Bur con opinion of the IPE before the expiration iority date, whichever	Il be considered to be a written opinion of the ply where the applicant chooses an Authority other reau under Rule 66.1 bis(b) that written opinions of A, the applicant is invited to submit to the IPEA and of 3 months from the date of mailing of Form	
Name and mailing address of the ISA/JP		Authorized officer		
Facsimile No.		Telephone No.		

Box	No. I Basis of this opinion	
1.	With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.	s
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1	Rule 12.3 and 23.1(b)).	
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	b. format of material	
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	furnished subsequently to this Authority for the purposes of search.	
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.	
4.	Additional comments:	
		1

Novelty (N) Claims 2-14 YE Claims 1 Inventive step (IS) Claims 1-14 Industrial applicability (IA) Claims 1-14 Claims No Claims 1-14 Claims No Claims 1-14 Claims No Claims No Claims No Claims 1-14 Claims No No No No Claims No No No Claims No No No No Claims No No No Claims No No No Claims No No No Claims No No No No Claims No No No No No No Claims No No No No No No Claims No	Box No. V Reasoned statement citations and expla	nt under Ru anations sup	ale 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicabili oporting such statement	ity;
Inventive step (IS) Claims T-14 YE Claims No Claims Claims Claims No Claims Claims No Claims Claims No Claims Claims No No Claims No Claims No No Claims No No Claims No No No Claims No No No Claims No No No No No Claims No No No Claims No No No No Claims No No No No Claims No No No No No Claims No No No No Claims No No No No No No Claims No No No No Claims No				
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Industrial applicability (IA) Claims 1-14 YE No 2. Citations and explanations: Document 1: JP 07-274938 A (Sapporo Breweries Ltd), 24 October 1995 Document 2: JP 2003-235544 A (Hitachi Ltd), 26 August 2003 - Regarding claim 1 The invention described in claim 1 does not appear to possess inventive step over document 1 cited in the ISR. Document 1 describes a temperature control device provided with cells, a microplate provided with a plurality of wells for cultivating microorganisms or the like, a thermoelectric cooling device that controls the temperature inside the wells, a coolant circulation device, a temperature sensor, and a copper plate having a thermal conducting effect (see figure 2) and that by using this temperature control device it is possible to carry out temperature control in the wells quickly and with high precision. Here, the thermoelectric cooling device corresponds to "heater" in the present application, coolant circulation device corresponds to "cooling part," and copper plate corresponds to "thermal conducting body."				
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Industrial applicability (IA) Claims 1-14 Claims NO Claims 1-14 Claims NO Claims 1-14 Claims NO Claims Claims Claims Claims NO Claims Claims NO Claims NO Claims NO Claims NO Claims Claims NO Claims NO Claims NO Claims NO Cl	mveinive siep (13)			
Claims No Claims No Claims Claims Claims No Claims Claims No Claims Claims No Claims No Claims No Claims Claims Claim 1 Claim 1 Claim 2, 24 October 1995 A (Hitachi Ltd), 24 October 1995 Claims Claims No Claims Claims No Claims Claims No Claims Claims No Claims No Claims No Claims Claims Claims No Claims Clai		Clains		NC
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(Continued)	The invention of document 1 cited in the Document 1 de provided with a pluralithermoelectric cooling circulation device, a te effect (see figure 2) and out temperature control thermoelectric cooling circulation device corrections.	e ISR. escribes ity of we device emperatu d that by it in the device	a temperature control device provided with cells, a midells for cultivating microorganisms or the like, a that controls the temperature inside the wells, a coolangue sensor, and a copper plate having a thermal conducty using this temperature control device it is possible to wells quickly and with high precision. Here, the corresponds to "heater" in the present application, coo	croplat t ting carry
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International application No. PCT/JP2004/011292

Supplemental Box

In case the space in any of the preceding boxes is not sufficient. Continuation of: $B\,ox\,\,V$

- Regarding claims 1-14

The inventions of claims 1-8 do not appear to possess inventive step over document 1 cited in the ISR.

In regard to the inventions of claims 1-8, optimizing the shape of the thermoelectric cooling device and copper plate in response to factors such as the shape of the wells in the temperature control device of document 1 would be easily arrived at by a person skilled in the art.

The inventions of claims 9-14 do not appear to possess inventive step over documents 1-2 cited in the ISR.

Document 2 describes a cultivation control device for organisms and cells provided with means for measuring temperature, pH and the like, storage means for storing obtained measurement data, and control means for controlling the cultivation environment based on this data in order cultivate cells and microorganisms in a suitable cultivation environment.

In regard to the inventions of claims 9-14, using a combination of the cultivation control device for organisms and cells provided with means for measuring temperature, pH and the like, storage means for storing obtained measurement data, and control means for controlling the cultivation environment based on this data in order cultivate cells and microorganisms in a suitable cultivation environment with the temperature control device described in document 1 would be easily arrived at by a person skilled in the art.

PATENT COOPERATION TREATY

From the INTERN		NAL SEARCHING	G AUTHOR	ITY .		"NS,
To:				-,-		PCT
					_	RITTEN OPINION OF THE IONAL SEARCHING AUTHORITY
						(PCT Rule 43bis.1)
					Date of mailing (day/month/year)	
l		gent's file reference	2		FOR FURTHER	
		3WO-00		Tr. (1 161) 1.		See paragraph 2 below
1	-	plication No. 2004/0112	92	International filing date 30.07.2004	•	Priority date (day/month/year) 14.01.2004
Internati	ional Pa	tent Classification	(IPC) or both	 national classification an	nd IPC	
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Applica		INDUSTRI	rs La	rin .		
DAI	X.114.	INDOSIKI	шо, ш.		•	
1.	This	•		ting to the following item	s:	
		Box No. I	Basis of the	opinion		
	님	Box No. II	Priority			
·		Box No. III	Non-establi	shment of opinion with re	gard to novelty, invent	ive step and industrial applicability
		Box No. IV		ty of invention		
	\bowtie	Box No. V		atement under Rule 43bis y; citations and explanatio		novelty, inventive step or industrial ement
	·	Box No. VI	Certain doc	uments cited		
		Box No. VII	Certain defe	ects in the international ap	plication	
		Box No. VIII	Certain obse	ervations on the internatio	nal application	
2.	EIID'	THER ACTION				
2 -	If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.					
	writte	n reply together, v	where approp	considered to be a writte priate, with amendments, n of 22 months from the pr	before the expiration	A, the applicant is invited to submit to the IPEA a of 3 months from the date of mailing of Form expires later.
	For fi	rther options, see F	Form PCT/IS	A/220.		
3.	For fu	urther details, see no	otes to Form	PCT/ISA/220.		
Name a	nd mail	ing address of the I	SA/IP		Authorized officer	
l vanc a	no nan	address of tile I	.,,,,,,		1 Idillo 12 Cd Officer	
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Form PCT/ISA/237 (cover sheet) (January 2004)

Box	No. I	Basis of this opinion
1.		regard to the language, this opinion has been established on the basis of the international application in the language in which it was, unless otherwise indicated under this item.
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4.	Add	itional comments:
		•

Box			ule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; pporting such statement	-
1.	Statement		·	
	Novelty (N)	Claims Claims	2-14	YES NO
	Inventive step (IS)	Claims		YES
		Claims	1-14	_ NO
	Industrial applicability (IA)	Claims Claims	1-14	YES NO
2.	Citations and explanations:	Clarins		
	- Regarding claim 1 The invention of document 1 cited in the Document 1 deprovided with a plural thermoelectric cooling circulation device, a teaffect (see figure 2) and out temperature controthermoelectric cooling	describe e ISR. escribes ity of we device emperate d that b ol in the	A (Hitachi Ltd), 26 August 2003 ed in claim 1 does not appear to possess inventive step over a temperature control device provided with cells, a microgells for cultivating microorganisms or the like, a that controls the temperature inside the wells, a coolant ture sensor, and a copper plate having a thermal conducting using this temperature control device it is possible to calculate wells quickly and with high precision. Here, the corresponds to "heater" in the present application, coolants to "cooling part," and copper plate corresponds to "therm	plate g rry
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International application No.
PCT/JP2004/011292

Supplemental Box

In case the space in any of the preceding boxes is not sufficient. Continuation of: $B\,ox\,V$

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The inventions of claims 1-8 do not appear to possess inventive step over document 1 cited in the ISR.

In regard to the inventions of claims 1-8, optimizing the shape of the thermoelectric cooling device and copper plate in response to factors such as the shape of the wells in the temperature control device of document 1 would be easily arrived at by a person skilled in the art.

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